ELSEVIER

Protein Structure and Molecular Enzymology

Vol. 1432, 1999

BIOCHIMICA ET BIOPHYSICA ACTA
BBA

www.elsevier.com/locate/bba

Author Index

Abdullaev, Z.K., see Uversky, V.N. (1432) 324
Aimi, T., Tsugawa, K., Yano, T. and Morinaga, T.
Nucleotide sequences of genes for ribosomal protein L41 and tRNA^{Thr}(AGU) from *Coprinus cinereus* (1432) 137
Ametani, A., see Katakura, Y. (1432) 302
Ananthanarayanan, V.S., see Vettakkorumakankav, N.N. (1432) 356
Anderson, V., see Lin, S. (1432) 125
Antalik, M., see Gažová, Z. (1432) 82
Arseniev, A.S., see Uversky, V.N. (1432) 324
Asensio, A.C., Oaknin, S. and Rotllán, P.
Fluorimetric detection of enzymatic activity associated with the human tumor suppressor Fhit protein (1432) 396
Ashford, S.R., see Brannigan, J.A. (1432) 413
Assmann, G., see Jatzke, C. (1432) 265
Axe, B., see Ranatunga, W. (1432) 1

Bágel'ová, J., see Gažová, Z. (1432) 82
Baldini, G., see D'Alfonso, L. (1432) 194
Bannai, S., see Jin, Y.-Z. (1432) 382
Barden, J.A., see Cuthbertson, R.M. (1432) 64
Bhattacharjee, G., Gron, H. and Pizzo, S.V.
Incorporation of non-proteolytic proteins by murine α_2-macroglobulin (1432) 49
Bhattacharyya, B., see Chakraborty, S. (1432) 350
Bieberich, E. and Yu, R.K.
Multi-enzyme kinetic analysis of glycolipid biosynthesis (1432) 113
Björk, I., see Olsson, S.-L. (1432) 73
Bloemendal, M., Toumadje, A. and Johnson Jr., W.C.
Bovine lens crystallins do contain helical structure: a circular dichroism study (1432) 234
Bocharov, E.V., see Uversky, V.N. (1432) 324
Bonomo, R.A., see Lin, S. (1432) 125
Brannigan, J.A., Ashford, S.R., Doherty, A.J., Timson, D.J. and Wigley, D.B.
Nucleotide sequence, heterologous expression and novel purification of DNA ligase from *Bacillus stearothermophilus*[1] (1432) 413
Büttcher, V., Quanz, M. and Willmitzer, L.
Molecular cloning, functional expression and purification of a glucan branching enzyme from *Neisseria denitrificans* (1432) 406

Carmona, P., Rodriguez-Casado, A. and Molina, M.
Conformational structure and binding mode of glyceraldehyde-3-phosphate dehydrogenase to tRNA studied by Raman and CD spectroscopy (1432) 222
Carver, J.A., see Werten, P.J.L. (1432) 286
Chakraborty, S., Sarkar, N. and Bhattacharyya, B.
Nucleotide-dependent bisANS binding to tubulin (1432) 350
Chapman, S.K., see Sharp, R.E. (1432) 143
Collini, M., see D'Alfonso, L. (1432) 194
Cuthbertson, R.M., Kemp, B.E. and Barden, J.A.
Structure study of osteostatin PTHrP[Thr107](107–139) (1432) 64

D'Alfonso, L., Collini, M. and Baldini, G.
Evidence of heterogeneous 1-anilinonaphthalene-8-sulfonate binding to β-lactoglobulin from fluorescence spectroscopy (1432) 194
Da Silva, R.J., see Fontes, M.R.M. (1432) 393
Dacheux, F., see Jin, Y.-Z. (1432) 382
Dacheux, J.-L., see Jin, Y.-Z. (1432) 382
Dagan, A., see He, X. (1432) 251
Dalpiaz, A., Ferretti, M.E., Pecoraro, R., Fabbri, E., Traniello, S., Scatturin, A. and Spisani, S.
Phe-D-Leu-Phe-D-Leu-Phe derivatives as formylpeptide receptor antagonists in human neutrophils: cellular and conformational aspects (1432) 27
de Jong, W.W., see Werten, P.J.L. (1432) 286
Doherty, A.J., see Brannigan, J.A. (1432) 413
Dolgikh, D.A., see Uversky, V.N. (1432) 324
Duester, G., see Foglio, M.H. (1432) 239
Dupuis, L., see Raphel, V. (1432) 371

Ek, B., see Olsson, S.-L. (1432) 73

Fabbri, E., see Dalpiaz, A. (1432) 27
Fan, J., see Yang, W. (1432) 13
Fernandes, A.C., see Fontes, M.R.M. (1432) 393
Ferretti, M.E., see Dalpiaz, A. (1432) 27
Finan, T.M., see Voegele, R.T. (1432) 275
Foglio, M.H. and Duester, G.
Molecular docking studies on interaction of diverse retinol structures with human alcohol dehydrogenases predict a broad role in retinoid ligand synthesis (1432) 239
Fong, C.-C., see Wong, M.-S. (1432) 293
Fontes, M.R.M., Soares, A.M., Rodrigues, V.M., Fernandes, A.C., Da Silva, R.J. and Giglio, J.R.
Crystallization and preliminary X-ray diffraction analysis of a myotoxic phospholipase A_2 homologue from *Bothrops neuwiedi pauloensis* venom (1432) 393
Frey, H.E., see Lett, C.M. (1432) 40
Fujii, H., see Taiko Migita, C. (1432) 203
Fukuhara, A., see Yamasaki, K. (1432) 313

Gatt, S., see He, X. (1432) 251
Gažová, Z., Antalik, M., Bágel'ová, J. and Tomori, Z.
Effect of ionic strength on the interfacial properties of cytochrome *c* (1432) 82
Giardina, T., see Raphel, V. (1432) 371
Giglio, J.R., see Fontes, M.R.M. (1432) 393
Gron, H., see Bhattacharjee, G. (1432) 49
Guevel, L., see Raphel, V. (1432) 371
Guillemette, J.G., see Lett, C.M. (1432) 40
Guo, X.-J., see Raphel, V. (1432) 371

ELSEVIER

Protein Structure and Molecular Enzymology

Vol. 1432, 1999

BIOCHIMICA ET BIOPHYSICA ACTA
BBA

www.elsevier.com/locate/bba

Author Index

Abdullaev, Z.K., see Uversky, V.N. (1432) 324
Aimi, T., Tsugawa, K., Yano, T. and Morinaga, T.
Nucleotide sequences of genes for ribosomal protein L41 and tRNA^{Thr}(AGU) from *Coprinus cinereus* (1432) 137
Ametani, A., see Katakura, Y. (1432) 302
Ananthanarayanan, V.S., see Vettakkorumakankav, N.N. (1432) 356
Anderson, V., see Lin, S. (1432) 125
Antalik, M., see Gažová, Z. (1432) 82
Arseniev, A.S., see Uversky, V.N. (1432) 324
Asensio, A.C., Oaknin, S. and Rotllán, P.
Fluorimetric detection of enzymatic activity associated with the human tumor suppressor Fhit protein (1432) 396
Ashford, S.R., see Brannigan, J.A. (1432) 413
Assmann, G., see Jatzke, C. (1432) 265
Axe, B., see Ranatunga, W. (1432) 1

Bágel'ová, J., see Gažová, Z. (1432) 82
Baldini, G., see D'Alfonso, L. (1432) 194
Bannai, S., see Jin, Y.-Z. (1432) 382
Barden, J.A., see Cuthbertson, R.M. (1432) 64
Bhattacharjee, G., Gron, H. and Pizzo, S.V.
Incorporation of non-proteolytic proteins by murine α_2-macroglobulin (1432) 49
Bhattacharyya, B., see Chakraborty, S. (1432) 350
Bieberich, E. and Yu, R.K.
Multi-enzyme kinetic analysis of glycolipid biosynthesis (1432) 113
Björk, I., see Olsson, S.-L. (1432) 73
Bloemendal, M., Toumadje, A. and Johnson Jr., W.C.
Bovine lens crystallins do contain helical structure: a circular dichroism study (1432) 234
Bocharov, E.V., see Uversky, V.N. (1432) 324
Bonomo, R.A., see Lin, S. (1432) 125
Brannigan, J.A., Ashford, S.R., Doherty, A.J., Timson, D.J. and Wigley, D.B.
Nucleotide sequence, heterologous expression and novel purification of DNA ligase from *Bacillus stearothermophilus*[1] (1432) 413
Büttcher, V., Quanz, M. and Willmitzer, L.
Molecular cloning, functional expression and purification of a glucan branching enzyme from *Neisseria denitrificans* (1432) 406

Carmona, P., Rodriguez-Casado, A. and Molina, M.
Conformational structure and binding mode of glyceraldehyde-3-phosphate dehydrogenase to tRNA studied by Raman and CD spectroscopy (1432) 222
Carver, J.A., see Werten, P.J.L. (1432) 286
Chakraborty, S., Sarkar, N. and Bhattacharyya, B.
Nucleotide-dependent bisANS binding to tubulin (1432) 350
Chapman, S.K., see Sharp, R.E. (1432) 143
Collini, M., see D'Alfonso, L. (1432) 194
Cuthbertson, R.M., Kemp, B.E. and Barden, J.A.
Structure study of osteostatin PTHrP[Thr107](107–139) (1432) 64

D'Alfonso, L., Collini, M. and Baldini, G.
Evidence of heterogeneous 1-anilinonaphthalene-8-sulfonate binding to β-lactoglobulin from fluorescence spectroscopy (1432) 194
Da Silva, R.J., see Fontes, M.R.M. (1432) 393
Dacheux, F., see Jin, Y.-Z. (1432) 382
Dacheux, J.-L., see Jin, Y.-Z. (1432) 382
Dagan, A., see He, X. (1432) 251
Dalpiaz, A., Ferretti, M.E., Pecoraro, R., Fabbri, E., Traniello, S., Scatturin, A. and Spisani, S.
Phe-D-Leu-Phe-D-Leu-Phe derivatives as formylpeptide receptor antagonists in human neutrophils: cellular and conformational aspects (1432) 27
de Jong, W.W., see Werten, P.J.L. (1432) 286
Doherty, A.J., see Brannigan, J.A. (1432) 413
Dolgikh, D.A., see Uversky, V.N. (1432) 324
Duester, G., see Foglio, M.H. (1432) 239
Dupuis, L., see Raphel, V. (1432) 371

Ek, B., see Olsson, S.-L. (1432) 73

Fabbri, E., see Dalpiaz, A. (1432) 27
Fan, J., see Yang, W. (1432) 13
Fernandes, A.C., see Fontes, M.R.M. (1432) 393
Ferretti, M.E., see Dalpiaz, A. (1432) 27
Finan, T.M., see Voegele, R.T. (1432) 275
Foglio, M.H. and Duester, G.
Molecular docking studies on interaction of diverse retinol structures with human alcohol dehydrogenases predict a broad role in retinoid ligand synthesis (1432) 239
Fong, C.-C., see Wong, M.-S. (1432) 293
Fontes, M.R.M., Soares, A.M., Rodrigues, V.M., Fernandes, A.C., Da Silva, R.J. and Giglio, J.R.
Crystallization and preliminary X-ray diffraction analysis of a myotoxic phospholipase A_2 homologue from *Bothrops neuwiedi pauloensis* venom (1432) 393
Frey, H.E., see Lett, C.M. (1432) 40
Fujii, H., see Taiko Migita, C. (1432) 203
Fukuhara, A., see Yamasaki, K. (1432) 313

Gatt, S., see He, X. (1432) 251
Gažová, Z., Antalik, M., Bágel'ová, J. and Tomori, Z.
Effect of ionic strength on the interfacial properties of cytochrome *c* (1432) 82
Giardina, T., see Raphel, V. (1432) 371
Giglio, J.R., see Fontes, M.R.M. (1432) 393
Gron, H., see Bhattacharjee, G. (1432) 49
Guevel, L., see Raphel, V. (1432) 371
Guillemette, J.G., see Lett, C.M. (1432) 40
Guo, X.-J., see Raphel, V. (1432) 371

Hanefeld, U., Straathof, A.J.J. and Heijnen, J.J.
Study of the (*S*)-hydroxynitrile lyase from *Hevea brasiliensis*: mechanistic implications (1432) 185
He, X., Miranda, S.R.P., Xiong, X., Dagan, A., Gatt, S. and Schuchman, E.H.
Characterization of human acid sphingomyelinase purified from the media of overexpressing Chinese hamster ovary cells (1432) 251
Heijnen, J.J., see Hanefeld, U. (1432) 185
Hinz, H.-J., see Jatzke, C. (1432) 265
Hughes-Stamm, S.R., see Yang, W. (1432) 13

Ishikura, K., see Tanaka, K. (1432) 92
Ishimoto, M., Yamada, T. and Kaga, A.
Insecticidal activity of an α-amylase inhibitor-like protein resembling a putative precursor of α-amylase inhibitor in the common bean, *Phaseolus vulgaris* L. (1432) 104

Jatzke, C., Hinz, H.-J., Seedorf, U. and Assmann, G.
Stability and binding properties of wild-type and c17s mutated human sterol carrier protein 2 (1432) 265
Jin, Y.-Z., Dacheux, F., Dacheux, J.-L., Bannai, S., Sugita, Y. and Okamura, N.
Purification and properties of major α-D-mannosidase in the luminal fluid of porcine epididymis (1432) 382
Johnson Jr., W.C., see Bloemendal, M. (1432) 234
Jones, M.K., see Yang, W. (1432) 13

Kadotani, T., see Nakanishi, K. (1432) 57
Kaga, A., see Ishimoto, M. (1432) 104
Kajiyama, N., see Tanaka, K. (1432) 92
Kaminogawa, S., see Katakura, Y. (1432) 302
Kar, S.R., see Ranatunga, W. (1432) 1
Katakura, Y., Ametani, A., Totsuka, M., Nagafuchi, S.-y. and Kaminogawa, S.
Accelerated secretion of mutant β-lactoglobulin in *Saccharomyces cerevisiae* resulting from a single amino acid substitution (1432) 302
Kemp, B.E., see Cuthbertson, R.M. (1432) 64
Kikuchi, A., see Tanaka, K. (1432) 92
Kirpichnikov, M.P., see Uversky, V.N. (1432) 324
Kragh-Hansen, U., see Yamasaki, K. (1432) 313

Labotka, R.J., see Xu, A.S.L. (1432) 333
Latypov, R.F., see Uversky, V.N. (1432) 324
Lebowitz, J., see Ranatunga, W. (1432) 1
Lett, C.M., Rosu-Myles, M.D., Frey, H.E. and Guillemette, J.G.
Rational design of a more stable yeast iso-1-cytochrome *c* (1432) 40
Lin, S., Thomas, M., Mark, S., Anderson, V. and Bonomo, R.A.
OHIO-1 β-lactamase mutants: the $Arg^{244}Ser$ mutant and resistance to β-lactams and β-lactamase inhibitors (1432) 125
Lindner, R.A., see Werten, P.J.L. (1432) 286
London, R.E., see Xu, A.S.L. (1432) 333

Macdonald, J.M., see Xu, A.S.L. (1432) 333
Mansfield Matera, K., see Taiko Migita, C. (1432) 203
Mark, S., see Lin, S. (1432) 125
Maruyama, T., see Yamasaki, K. (1432) 313
McManus, D.P., see Yang, W. (1432) 13
Melnik, T.N., see Uversky, V.N. (1432) 324
Miranda, S.R.P., see He, X. (1432) 251
Mitsch, M.J., see Voegele, R.T. (1432) 275
Mizuno, S., see Tanaka, K. (1432) 92
Molina, M., see Carmona, P. (1432) 222
Morinaga, T., see Aimi, T. (1432) 137

Nagafuchi, S.-y., see Katakura, Y. (1432) 302
Nakanishi, K., Yaoi, K., Shimada, N., Kadotani, T. and Sato, R.
Bacillus thuringiensis insecticidal Cry1Aa toxin binds to a highly conserved region of aminopeptidase N in the host insect leading to its evolutionary success (1432) 57
Narazaki, R., see Yamasaki, K. (1432) 313

Oaknin, S., see Asensio, A.C. (1432) 396
Ohtomo, K., see Tanaka, K. (1432) 92
Okamura, N., see Jin, Y.-Z. (1432) 382
Olsson, S.-L., Ek, B. and Björk, I.
The affinity and kinetics of inhibition of cysteine proteinases by intact recombinant bovine cystatin C (1432) 73
Otagiri, M., see Yamasaki, K. (1432) 313

Pavlik, P., see Ranatunga, W. (1432) 1
Pecoraro, R., see Dalpiaz, A. (1432) 27
Perrier, J., see Raphel, V. (1432) 371
Pizzo, S.V., see Bhattacharjee, G. (1432) 49
Puigserver, A., see Raphel, V. (1432) 371

Quanz, M., see Büttcher, V. (1432) 406

Ranatunga, W., Lebowitz, J., Axe, B., Pavlik, P., Kar, S.R. and Scovell, W.M.
Reexamination of the high mobility group-1 protein for self-association and characterization of hydrodynamic properties (1432) 1
Raphel, V., Giardina, T., Guevel, L., Perrier, J., Dupuis, L., Guo, X.-J. and Puigserver, A.
Cloning, sequencing and further characterization of acylpeptide hydrolase from porcine intestinal mucosa (1432) 371
Rodrigues, V.M., see Fontes, M.R.M. (1432) 393
Rodriguez-Casado, A., see Carmona, P. (1432) 222
Rosu-Myles, M.D., see Lett, C.M. (1432) 40
Rotllán, P., see Asensio, A.C. (1432) 396

Sarkar, N., see Chakraborty, S. (1432) 350
Sato, R., see Nakanishi, K. (1432) 57
Scatturin, A., see Dalpiaz, A. (1432) 27
Schuchman, E.H., see He, X. (1432) 251
Scovell, W.M., see Ranatunga, W. (1432) 1
Seedorf, U., see Jatzke, C. (1432) 265
Sellos, D. and Van Wormhoudt, A.
Polymorphism and evolution of collagenolytic serine protease genes in crustaceans (1432) 419
Sharp, R.E. and Chapman, S.K.
Mechanisms for regulating electron transfer in multi-centre redox proteins (1432) 143
Shimada, N., see Nakanishi, K. (1432) 57
Sirover, M.A.
New insights into an old protein: the functional diversity of mammalian glyceraldehyde-3-phosphate dehydrogenase (1432) 159
Soares, A.M., see Fontes, M.R.M. (1432) 393
Spisani, S., see Dalpiaz, A. (1432) 27
Straathof, A.J.J., see Hanefeld, U. (1432) 185
Sugita, Y., see Jin, Y.-Z. (1432) 382

Taiko Migita, C., Fujii, H., Mansfield Matera, K., Takahashi, S., Zhou, H. and Yoshida, T.
Molecular oxygen oxidizes the porphyrin ring of the ferric α-hydroxyheme in heme oxygenase in the absence of reducing equivalent (1432) 203
Takagi, T., see Tanaka, K. (1432) 92

Takahashi, S., see Taiko Migita, C. (1432) 203
Tams, J.W., Vind, J. and Welinder, K.G.
Adapting protein solubility by glycosylation. (1432) 214
Tanaka, K., Kajiyama, N., Ishikura, K., Waga, S., Kikuchi, A., Ohtomo, K., Takagi, T. and Mizuno, S.
Determination of the site of disulfide linkage between heavy and light chains of silk fibroin produced by *Bombyx mori* (1432) 92
Thomas, M., see Lin, S. (1432) 125
Timson, D.J., see Brannigan, J.A. (1432) 413
Tomori, Z., see Gažová, Z. (1432) 82
Totsuka, M., see Katakura, Y. (1432) 302
Toumadje, A., see Bloemendal, M. (1432) 234
Traniello, S., see Dalpiaz, A. (1432) 27
Tsugawa, K., see Aimi, T. (1432) 137
Tsutsumi, Y., see Yamasaki, K. (1432) 313

Uversky, V.N., Abdullaev, Z.K., Arseniev, A.S., Bocharov, E.V., Dolgikh, D.A., Latypov, R.F., Melnik, T.N., Vassilenko, K.S. and Kirpichnikov, M.P.
Structure and stability of recombinant protein depend on the extra N-terminal methionine residue: S6 permutein from direct and fusion expression systems (1432) 324

Van Wormhoudt, A., see Sellos, D. (1432) 419
Vassilenko, K.S., see Uversky, V.N. (1432) 324
Vettakkorumakankav, N.N. and Ananthanarayanan, V.S.
Ca^{2+} and Zn^{2+} binding properties of peptide substrates of vertebrate collagenase, MMP-1 (1432) 356
Vind, J., see Tams, J.W. (1432) 214
Voegele, R.T., Mitsch, M.J. and Finan, T.M.
Characterization of two members of a novel malic enzyme class (1432) 275

Waga, S., see Tanaka, K. (1432) 92
Welinder, K.G., see Tams, J.W. (1432) 214
Werten, P.J.L., Lindner, R.A., Carver, J.A. and de Jong, W.W.
Formation of βA3/βB2-crystallin mixed complexes: involvement of N- and C-terminal extensions (1432) 286
Wigley, D.B., see Brannigan, J.A. (1432) 413
Willmitzer, L., see Büttcher, V. (1432) 406
Wittung-Stafshede, P.
Effect of redox state on unfolding energetics of heme proteins (1432) 401
Wong, M.-S., Fong, C.-C. and Yang, M.
Biosensor measurement of the interaction kinetics between insulin-like growth factors and their binding proteins (1432) 293

Xiong, X., see He, X. (1432) 251
Xu, A.S.L., Macdonald, J.M., Labotka, R.J. and London, R.E.
NMR study of the sites of human hemoglobin acetylated by aspirin (1432) 333

Yamada, T., see Ishimoto, M. (1432) 104
Yamasaki, K., Maruyama, T., Yoshimoto, K., Tsutsumi, Y., Narazaki, R., Fukuhara, A., Kragh-Hansen, U. and Otagiri, M.
Interactive binding to the two principal ligand binding sites of human serum albumin: effect of the neutral-to-base transition (1432) 313
Yang, M., see Wong, M.-S. (1432) 293
Yang, W., Jones, M.K., Fan, J., Hughes-Stamm, S.R. and McManus, D.P.
Characterisation of a family of *Schistosoma japonicum* proteins related to dynein light chains (1432) 13
Yano, T., see Aimi, T. (1432) 137
Yaoi, K., see Nakanishi, K. (1432) 57
Yoshida, T., see Taiko Migita, C. (1432) 203
Yoshimoto, K., see Yamasaki, K. (1432) 313
Yu, R.K., see Bieberich, E. (1432) 113

Zhou, H., see Taiko Migita, C. (1432) 203